LOWER MANHATTAN COASTAL RESILIENCY PROJECT - BATTERY

CB1 Environmental Committee Meeting











Agenda:

- 1. Overview
- 2. East End Tie In
- 3. Pier A Tie In
- 4. The River that Flows Two Ways

Stantec Team



Greg Sprich

PE, ENV SP

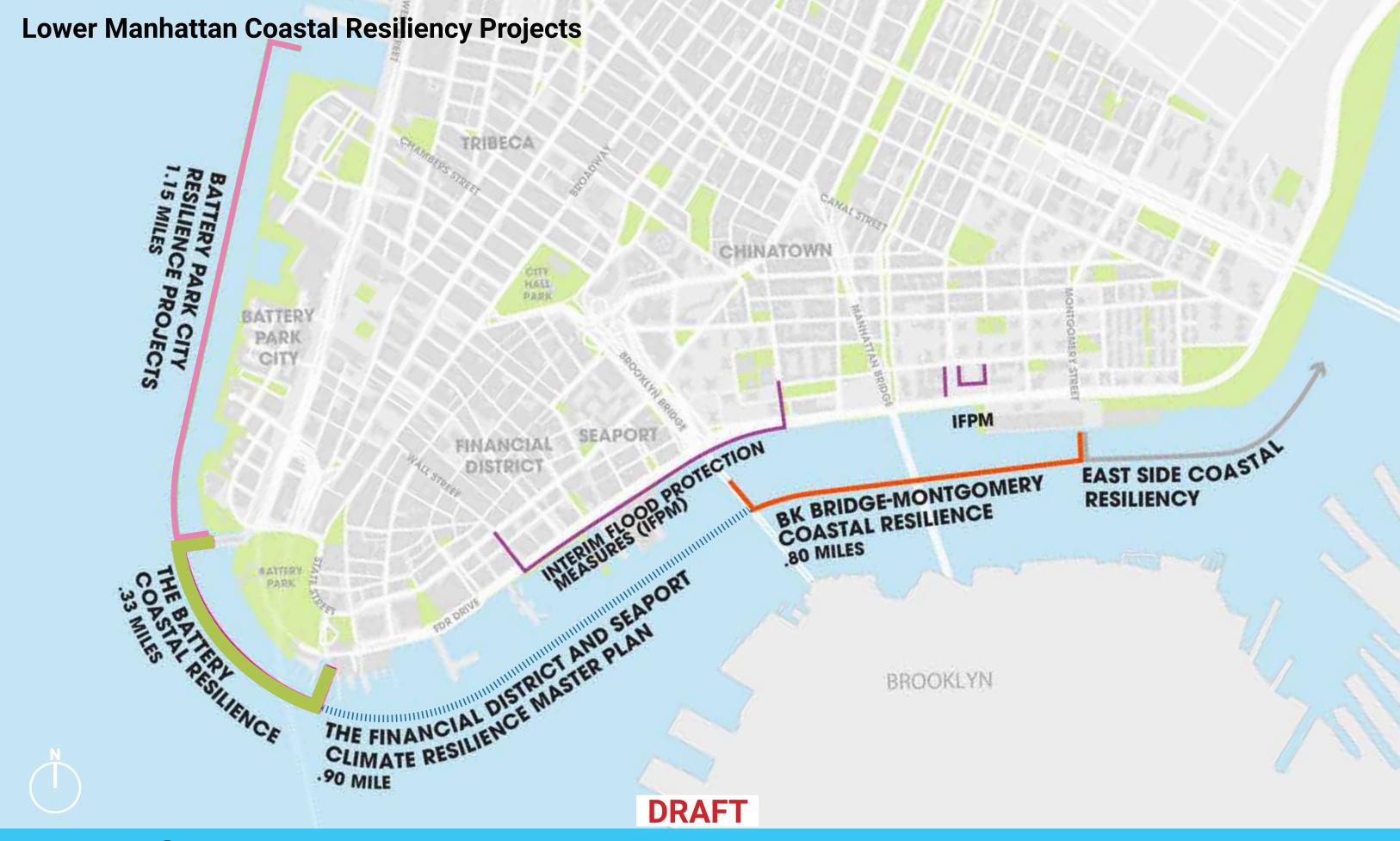
PROJECT MANAGER / CIVIL ENGINEER



Amy Seek

RLA, WEDG

LANDSCAPE ARCHITECTURE LEAD















Design Goals



Prepare for Climate Change

- 1. Reconstruct and elevate the wharf approximately 5 feet to address its deteriorating condition while also taking into account future sea level rise.
- 2. Tie into adjacent resilience projects.
- 3. Improve drainage.



Support Site Uses

- 1. Accommodate Statue of Liberty, Ellis Island, and Water Taxi vessels during and after construction.
- 2. Prioritize universal design.
- 3. Maintain sufficient seating.



Preserve and Enhance Park Character

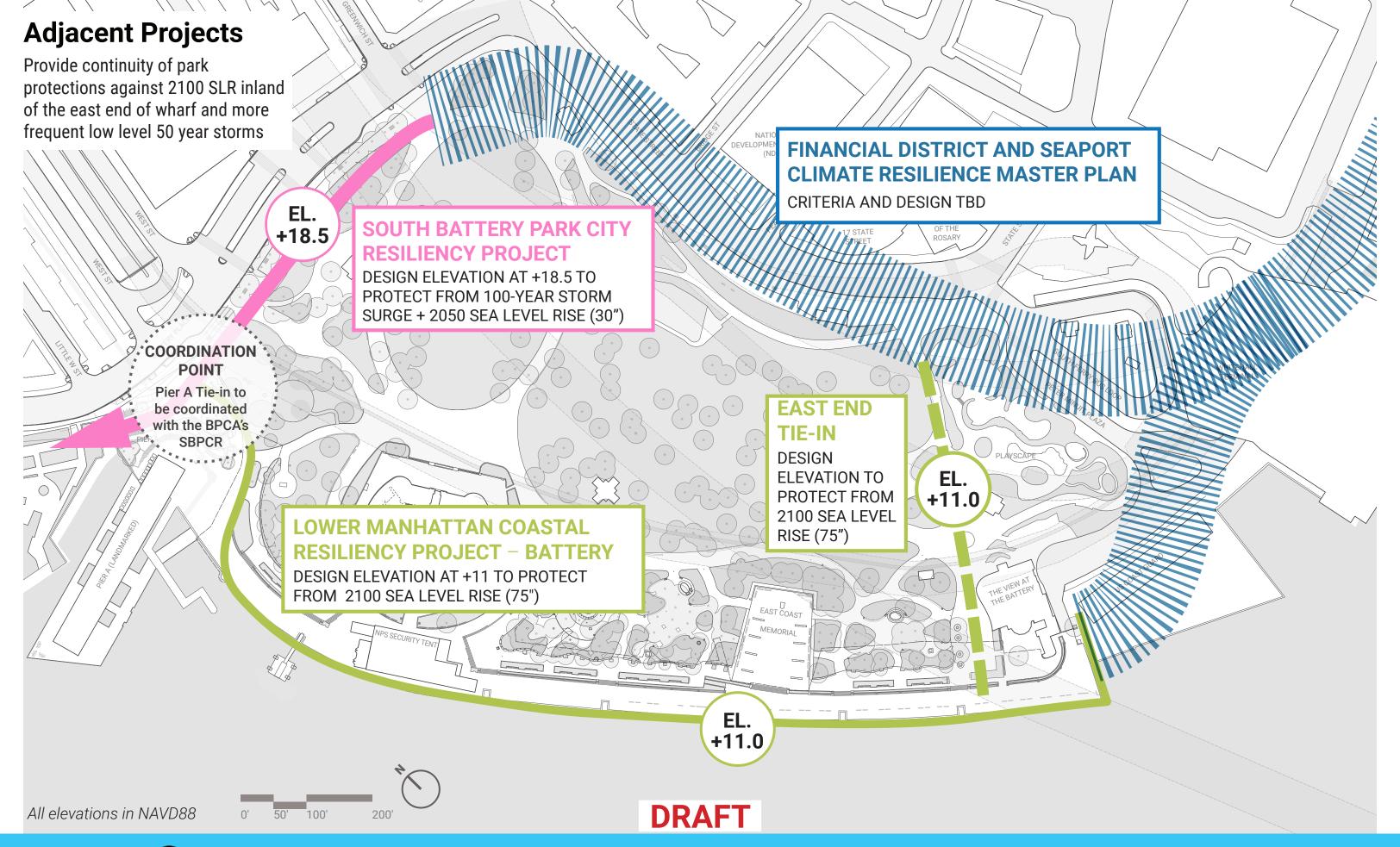
- 1. Maximize visibility of water/edge.
- 2. Minimize disturbance to physical structures, view corridors, and character of park.
- 3. Conserve existing artworks.
- 4. Minimize adverse impacts on historic structures and trees.
- 5. Reuse existing site materials.
- 6. Maximize sustainability of design/construction.
- 7. Provide new planting and public amenities.
- 8. Protect the park's historic resources.















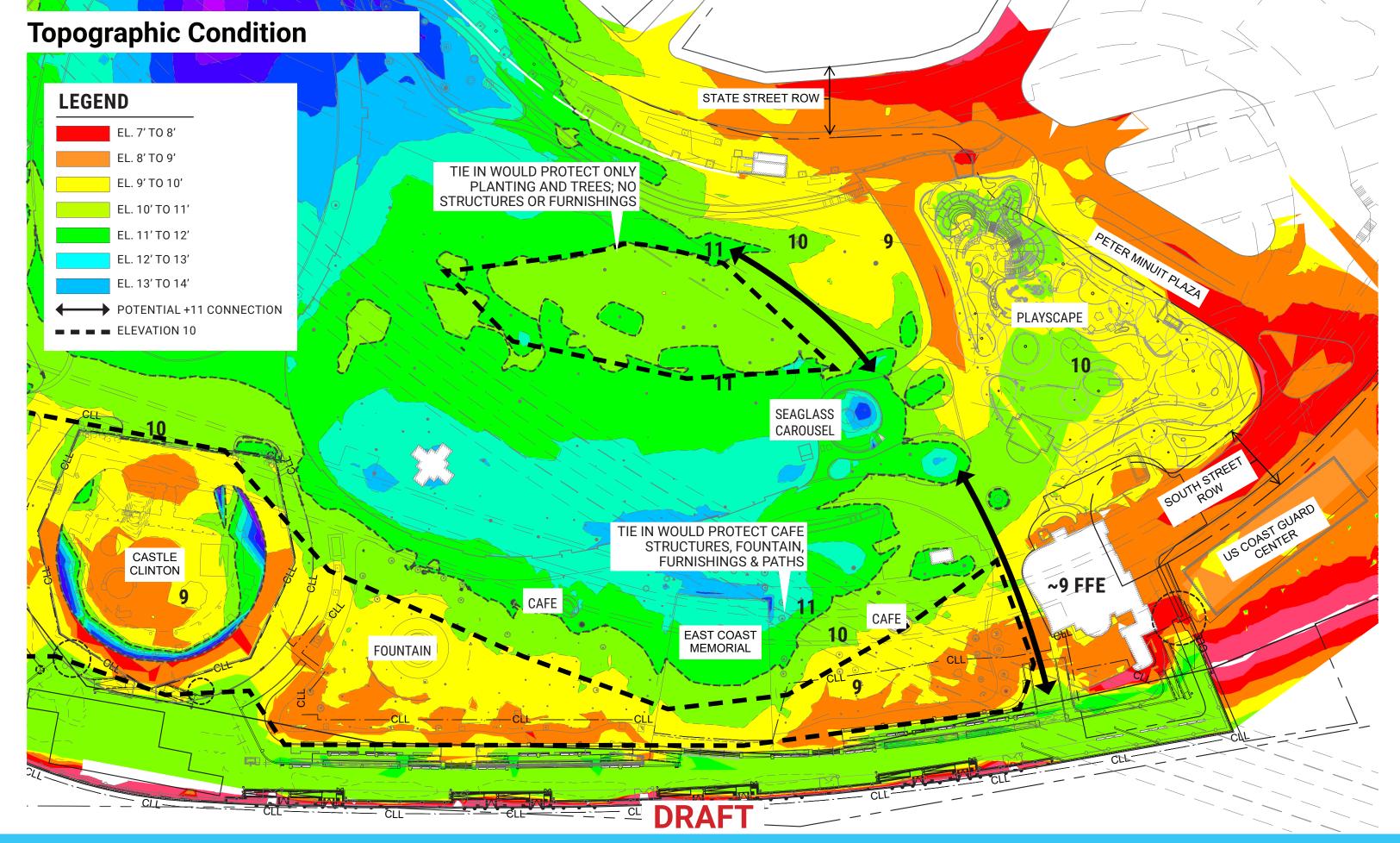
Proposed Design







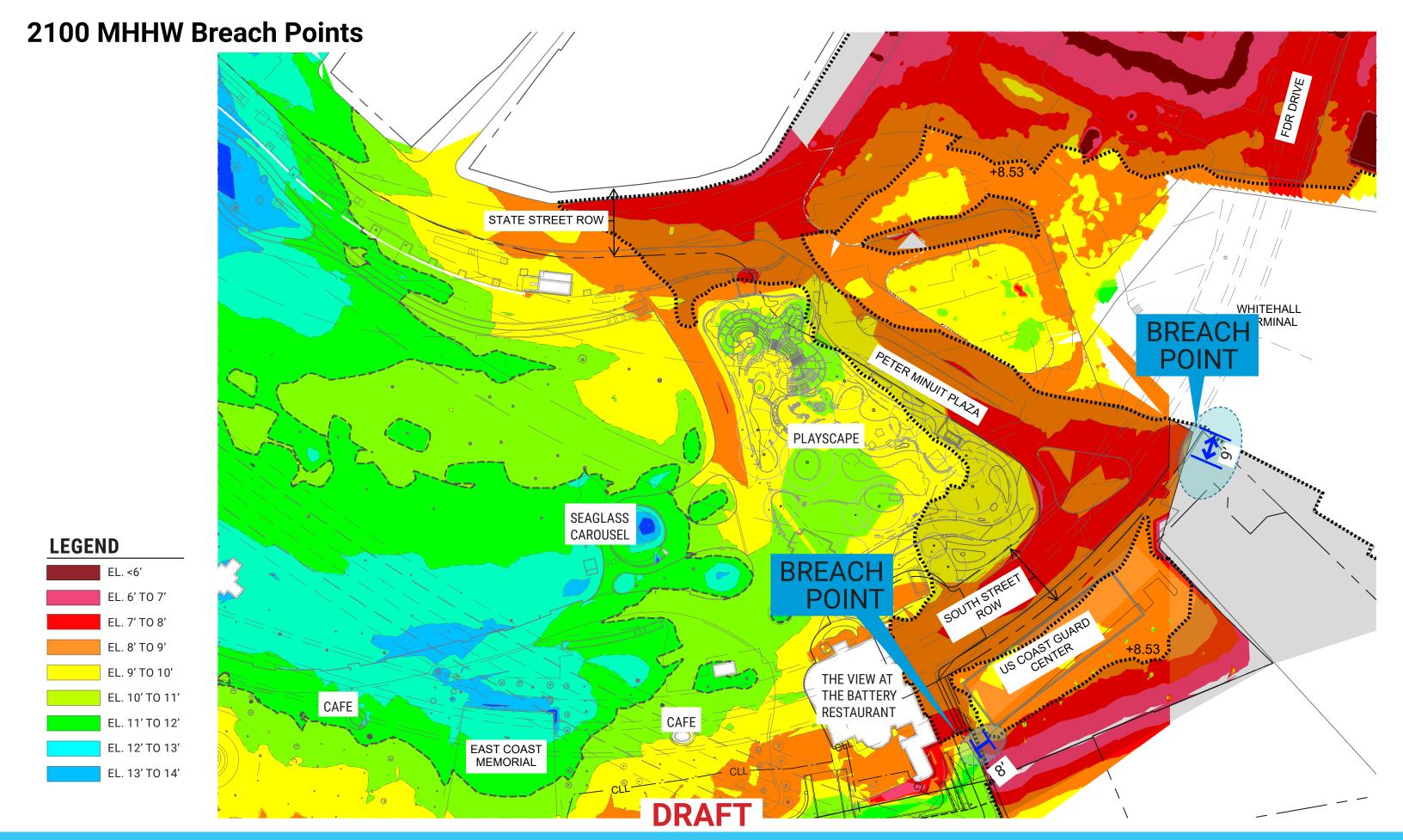
East End Tie In







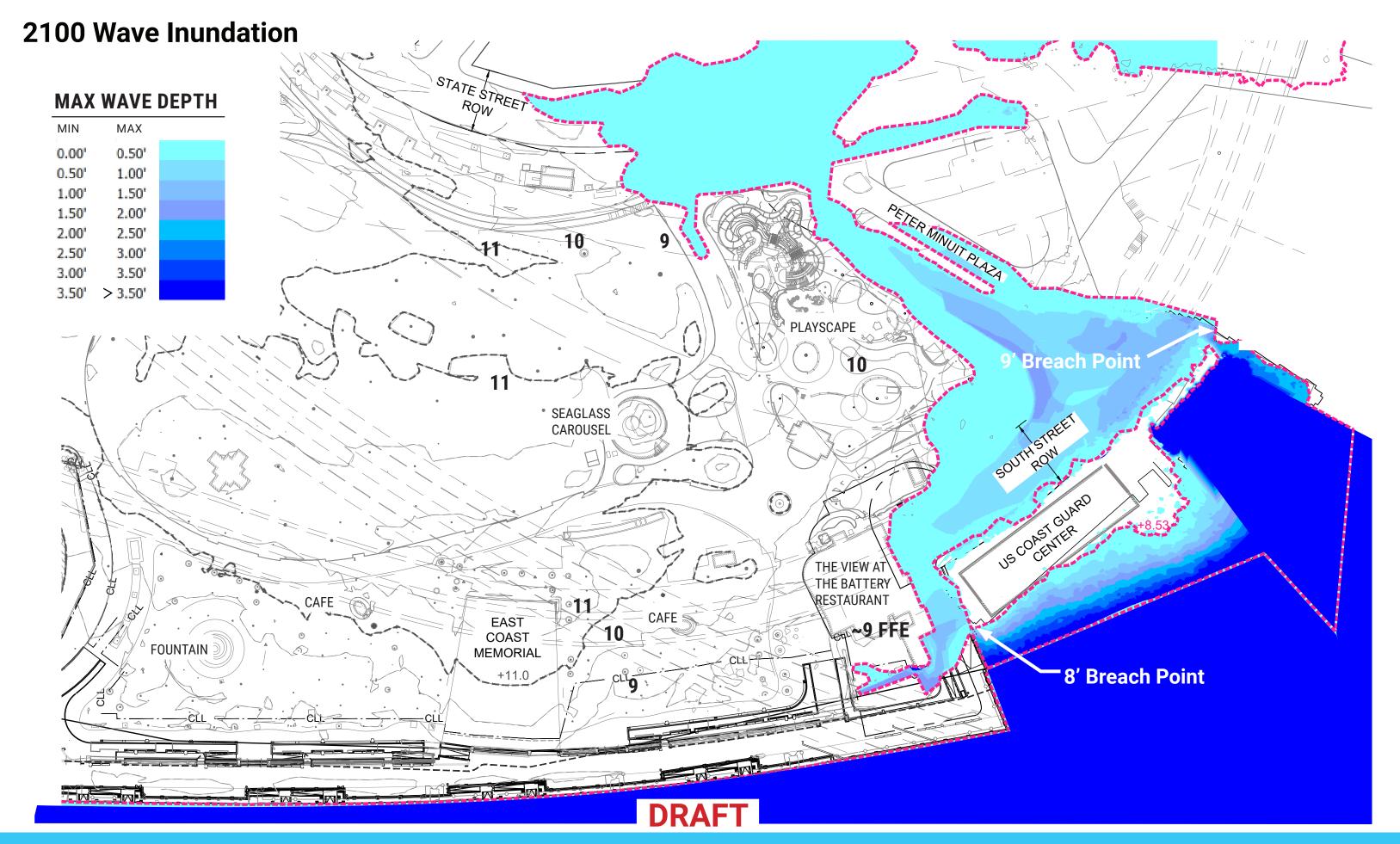








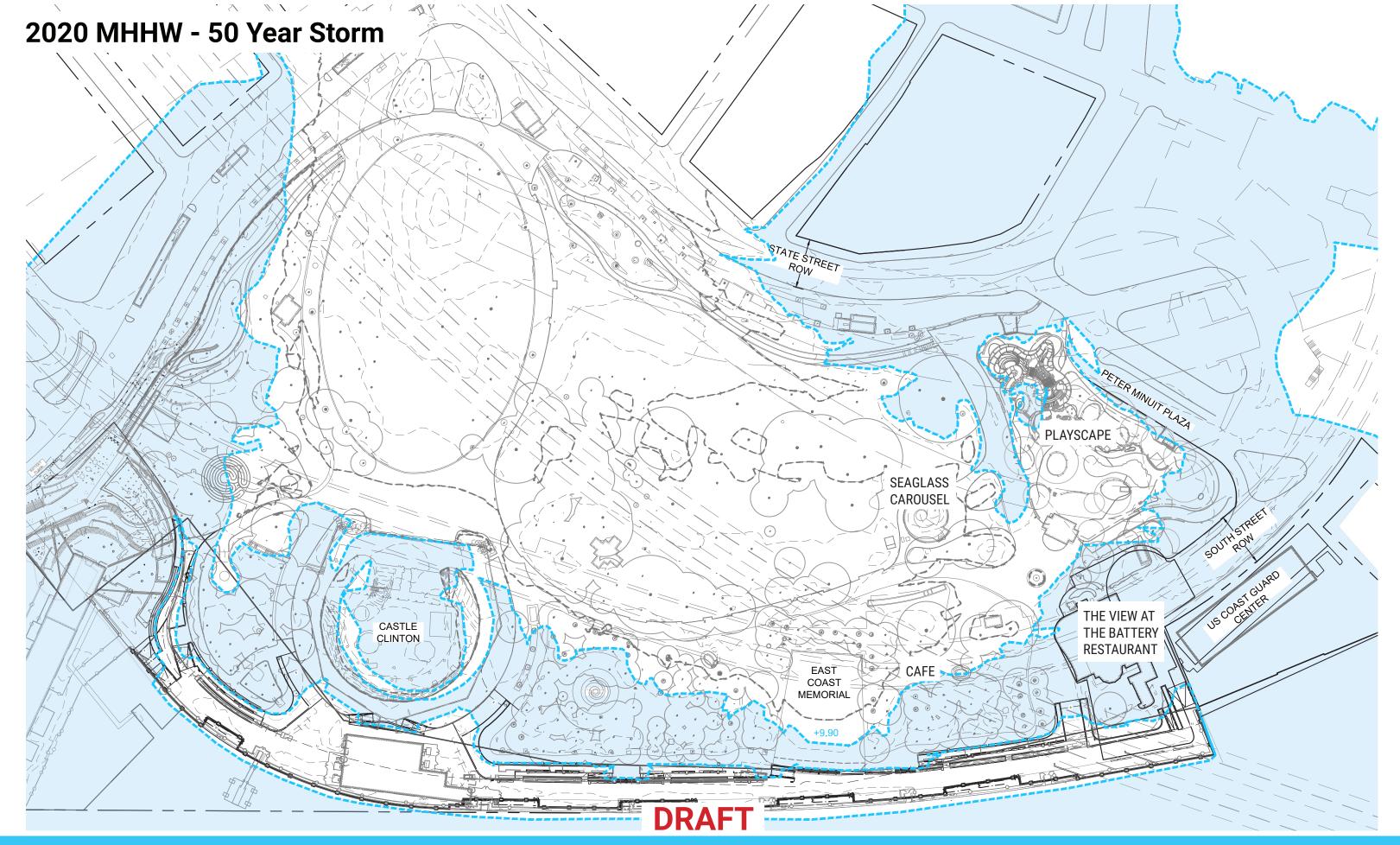








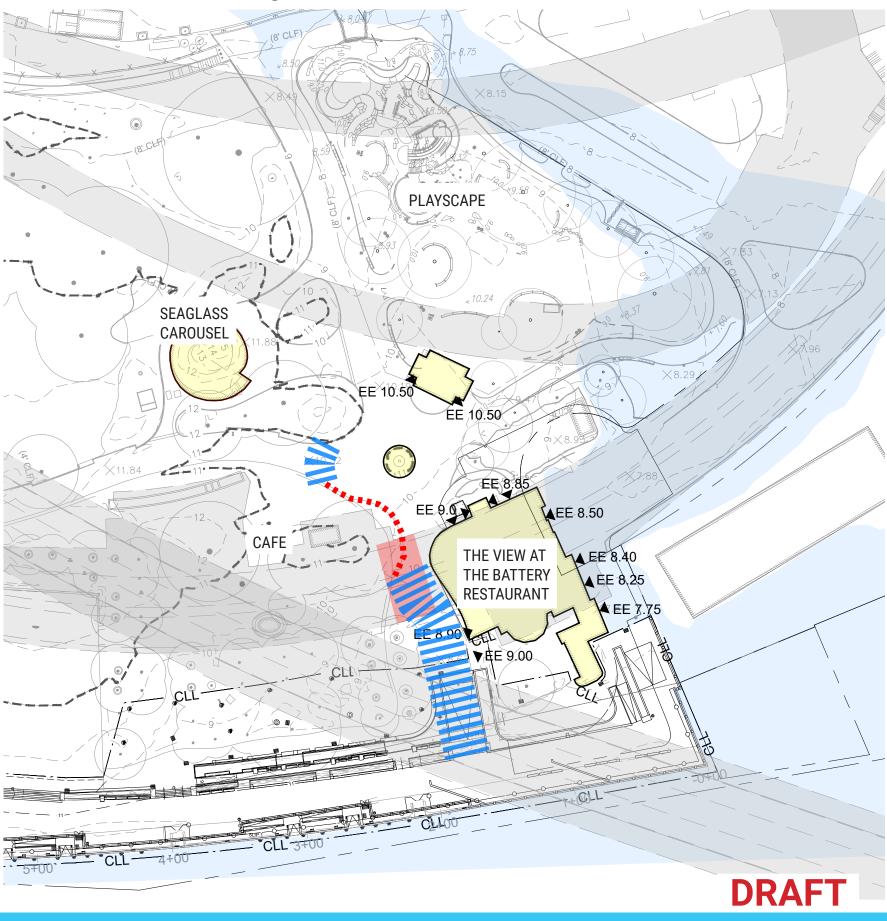






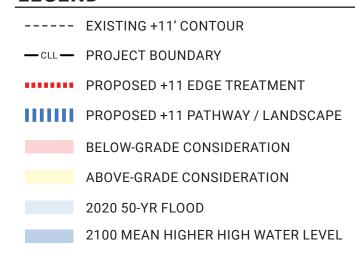


East End Tie-In Alignment



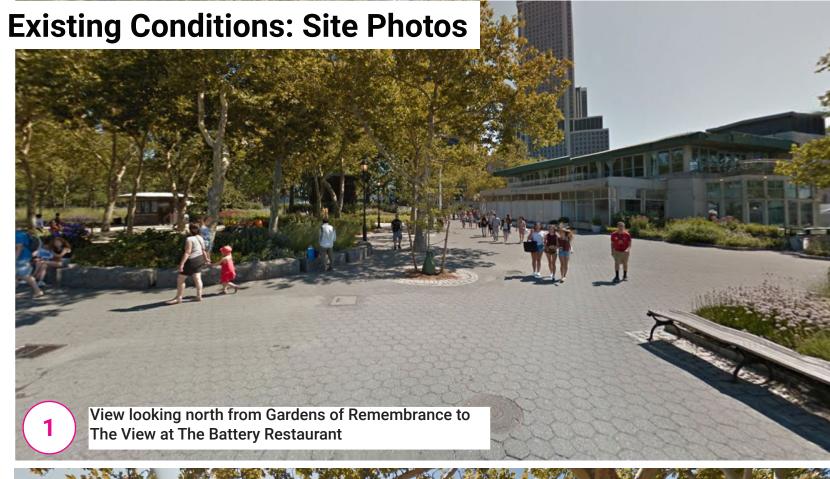
- Protects significant portion of park between The View at The Battery and Castle Clinton with minimal disturbance
- Maintains universal accessibility to wharf and The View at The Battery building
- Minimal impact to existing trees compared to other alignments with similar protection
- Minimal to no impact to building entrances or footprint.
 Other schemes resulted in awkward building entries and/ or excessive floodproofing measures
- Does not impact new playground or ROW

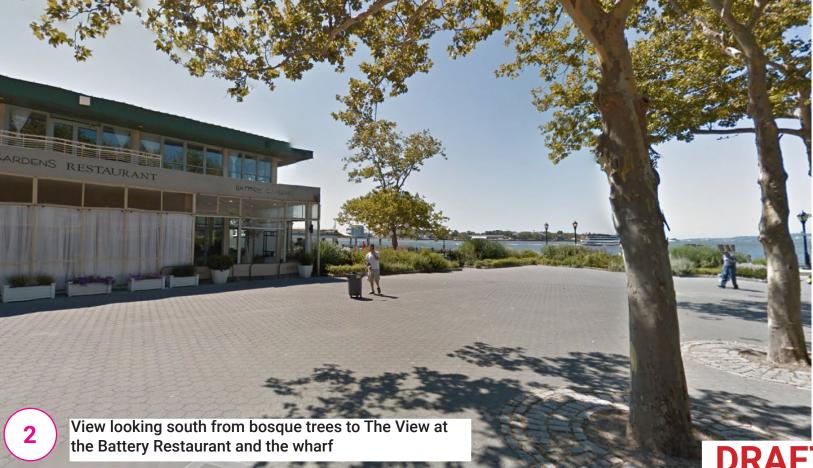
LEGEND

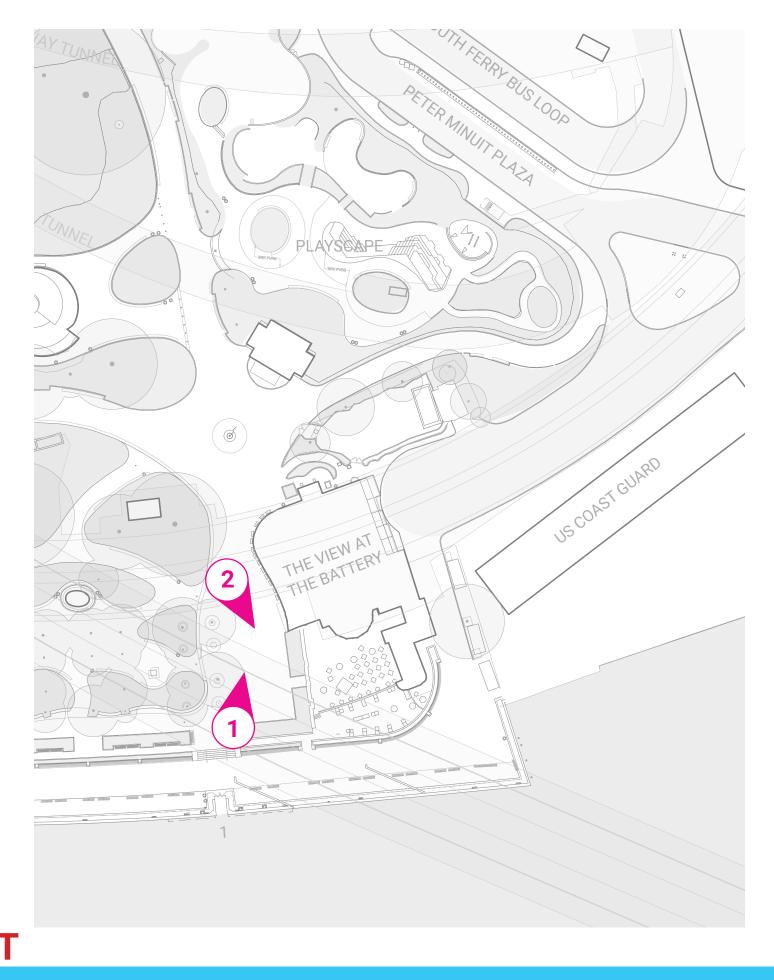












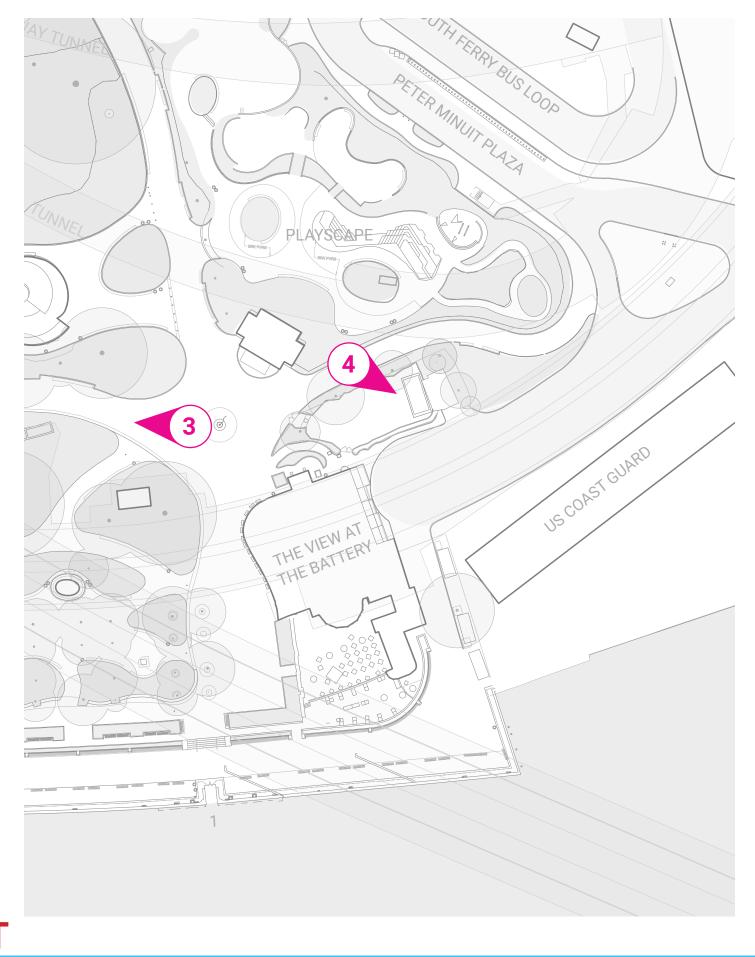








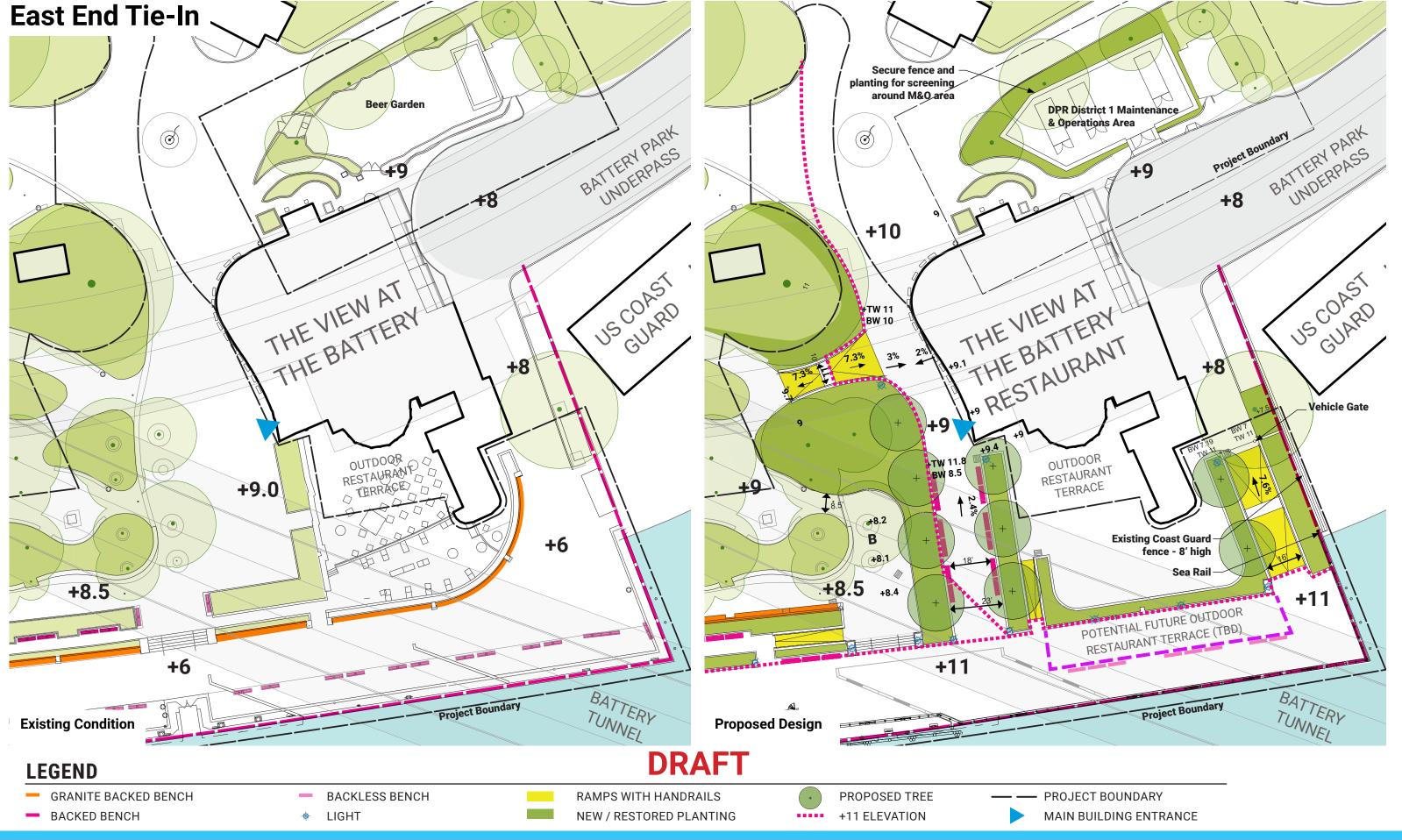


















East End Tie-In

















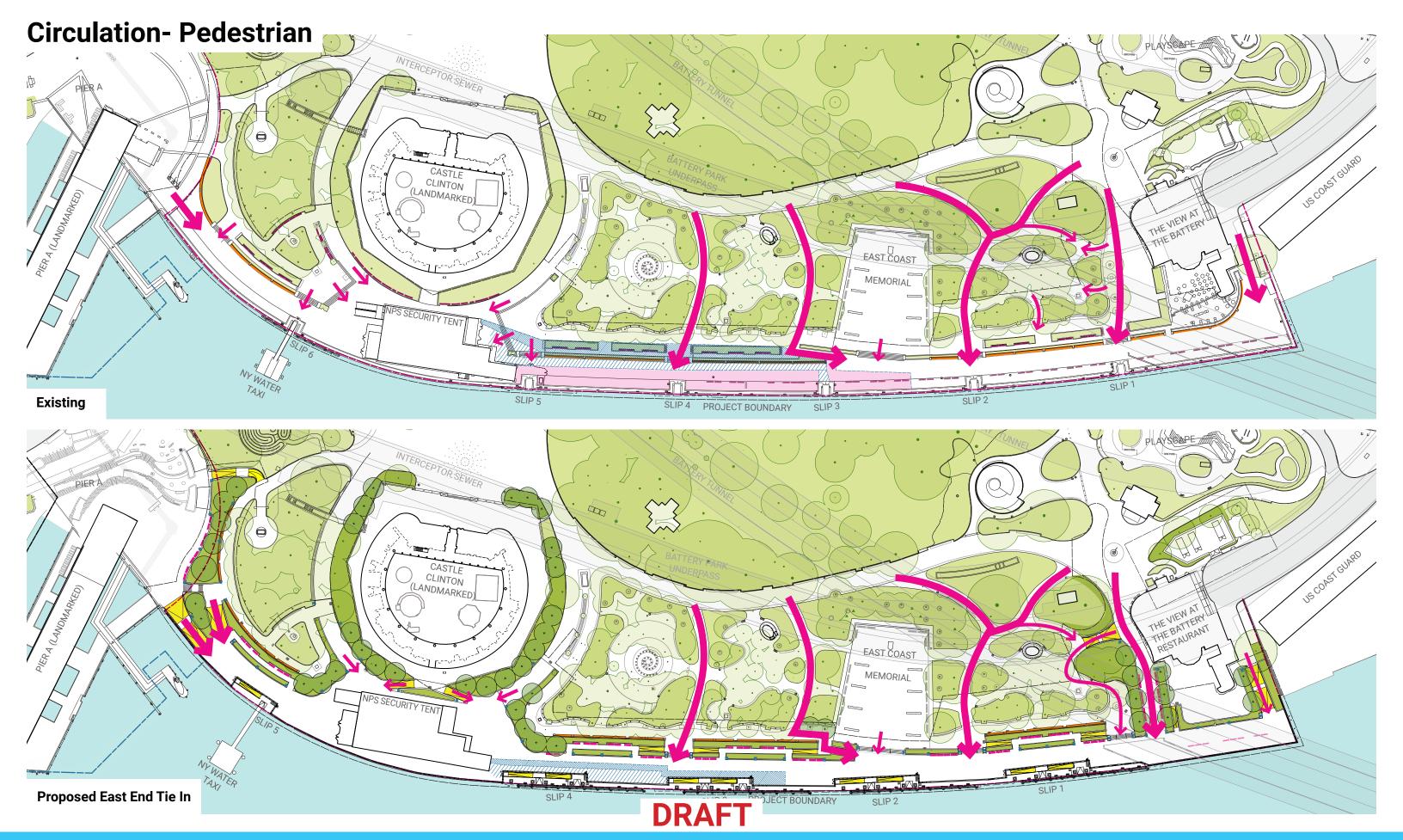
















Pier A Tie In

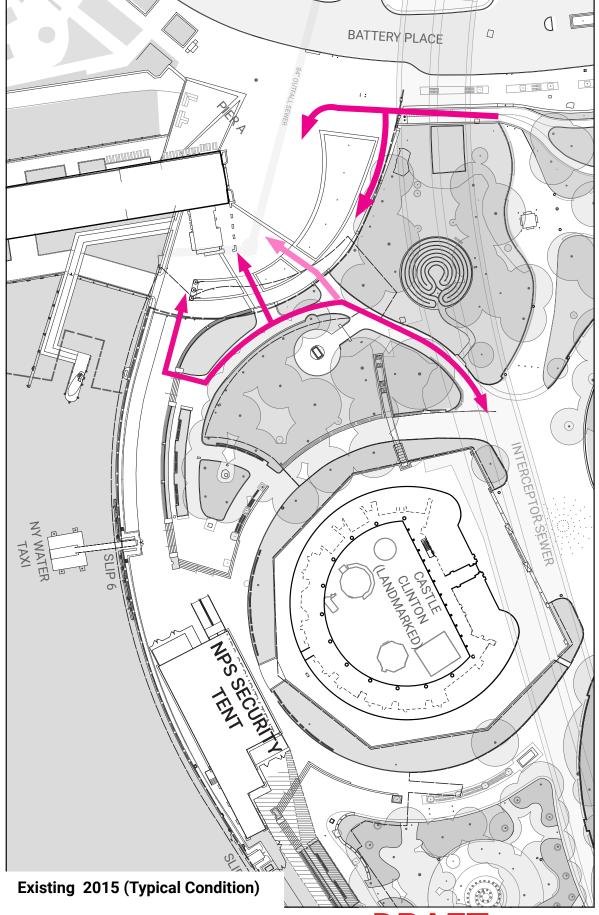
Pier A Tie-In **Approved October 18th Plan** Proposed **DRAFT LEGEND** GRANITE BACKED BENCH BACKLESS BENCH RAMPS WITH HANDRAILS PROPOSED TREE — LIMIT OF WORK BACKED BENCH ♦ LIGHT NEW / RESTORED PLANTING +11 DFE **BPCA/PARKS PROPERTY LINE**

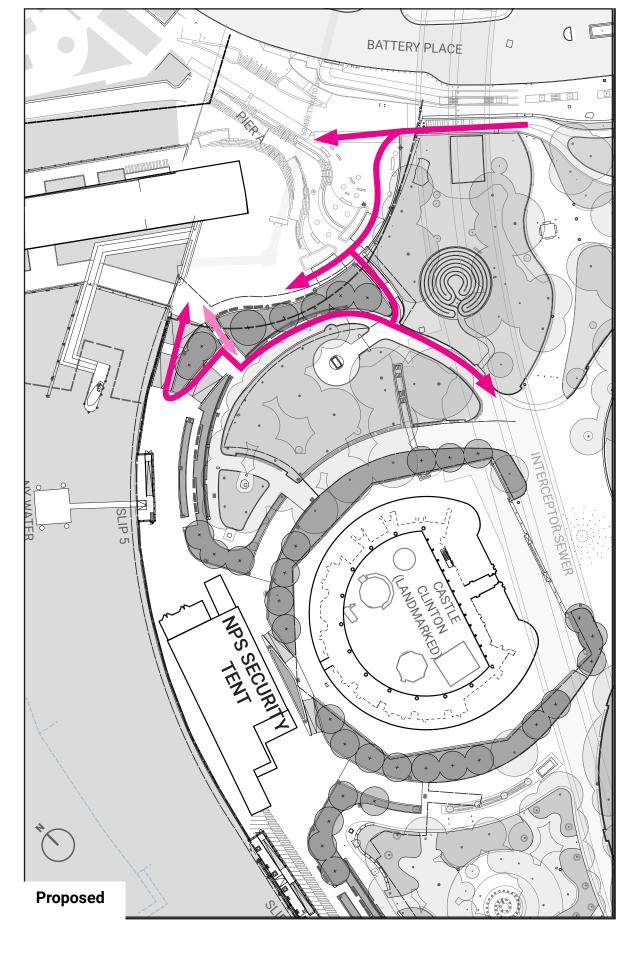




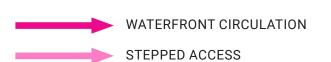


Pier A Circulation





LEGEND

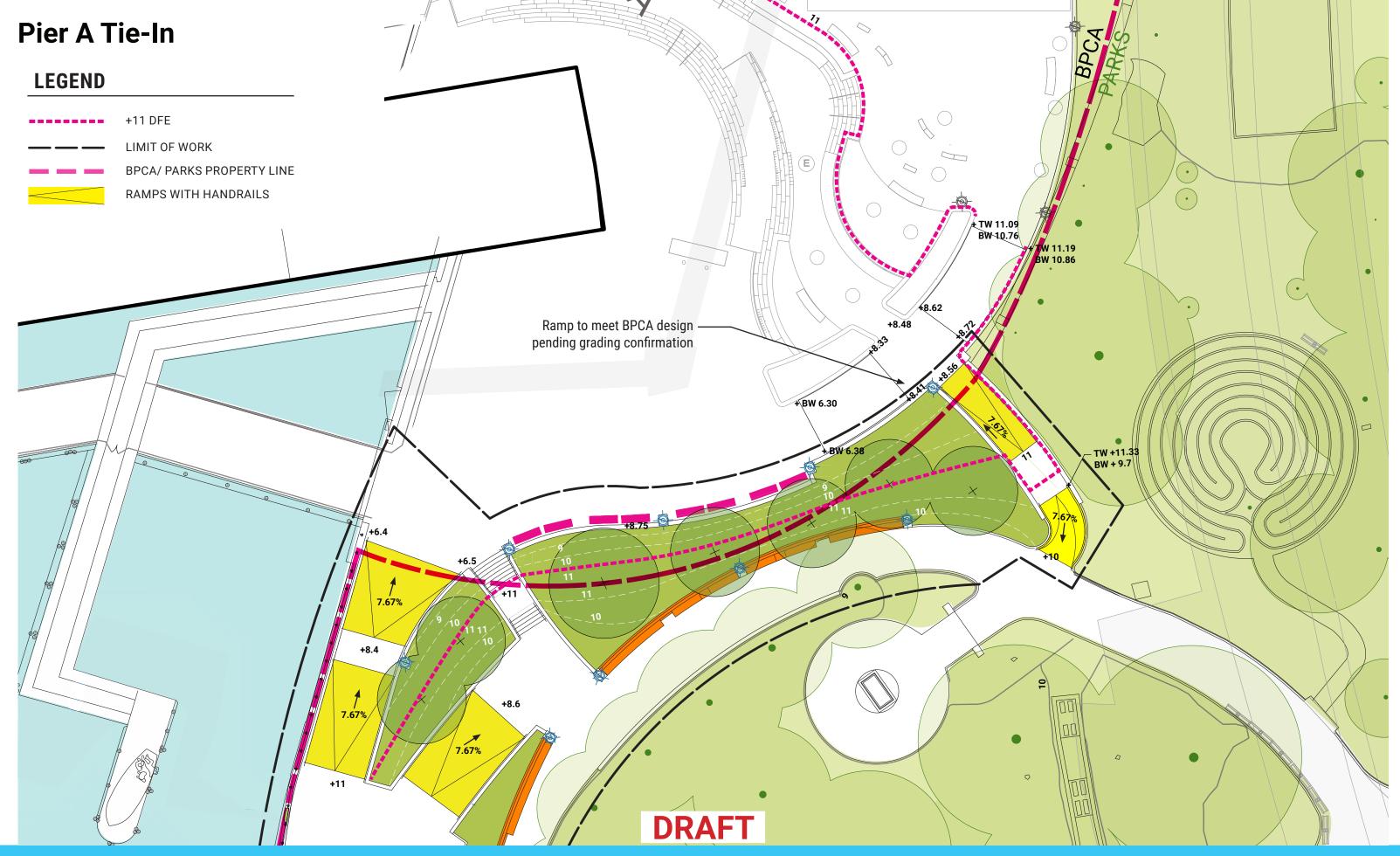








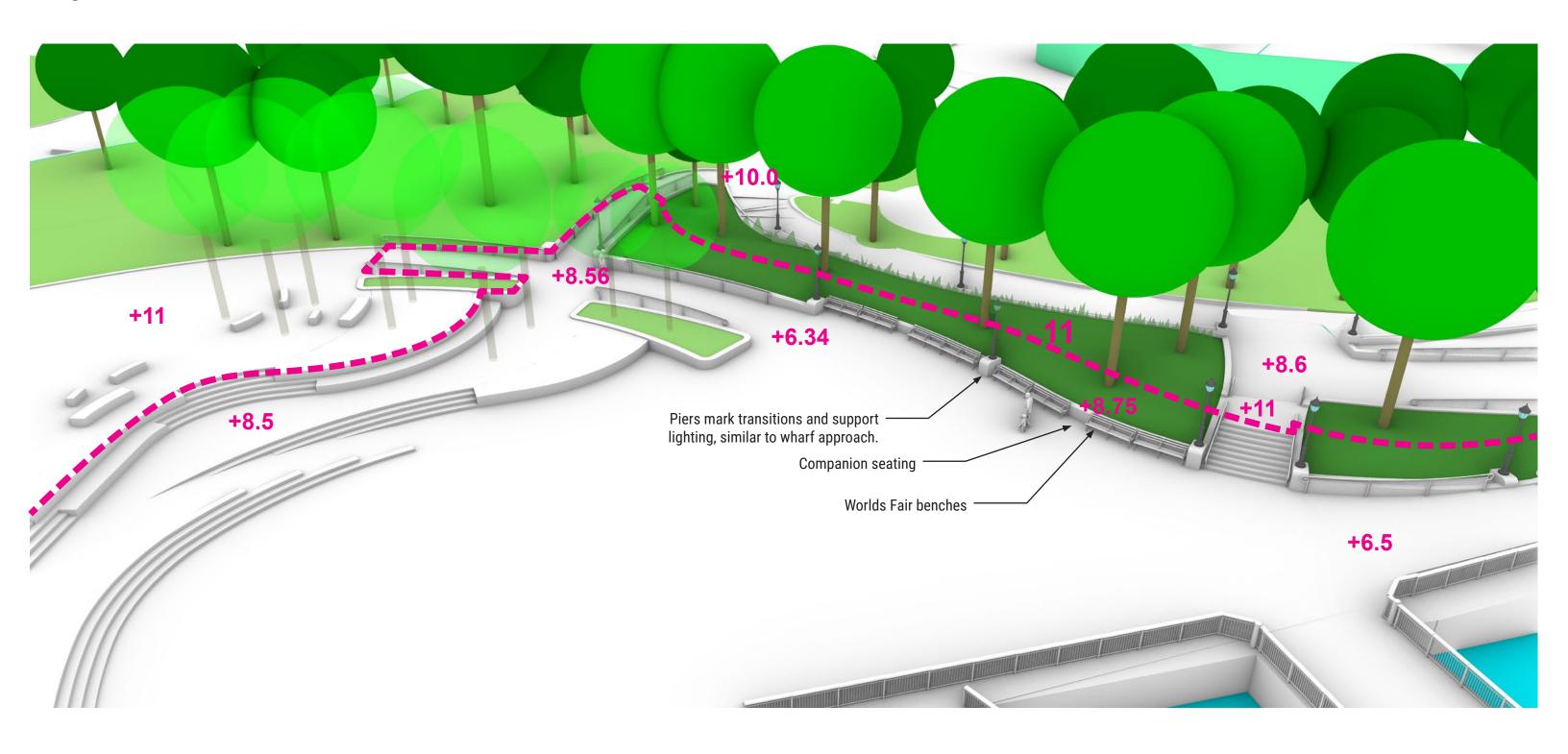








Alignment of +11 DFE

















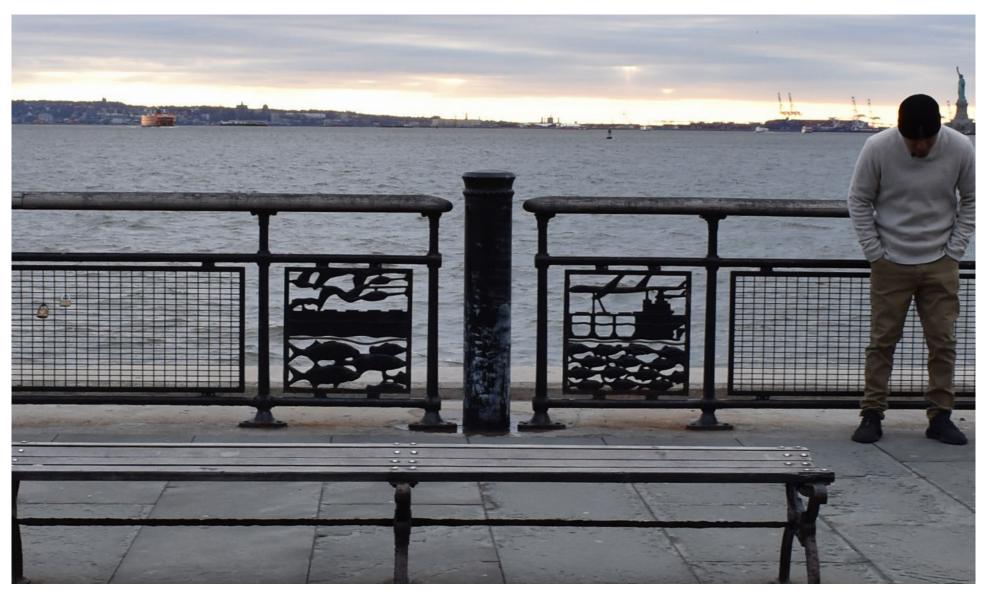


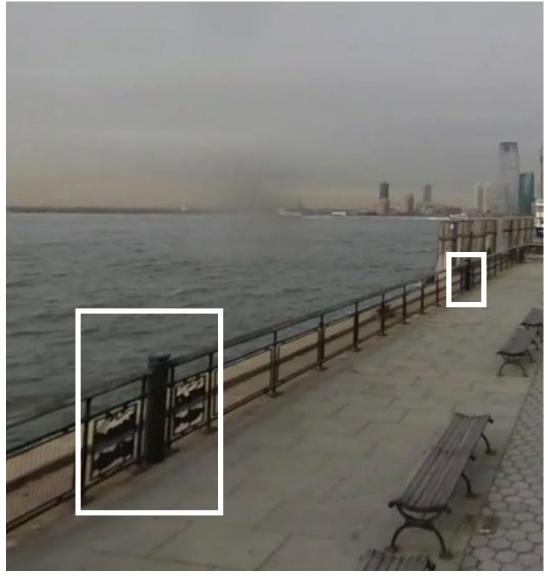




Sea Rail Design The River That Flows Two Ways

Existing Conditions



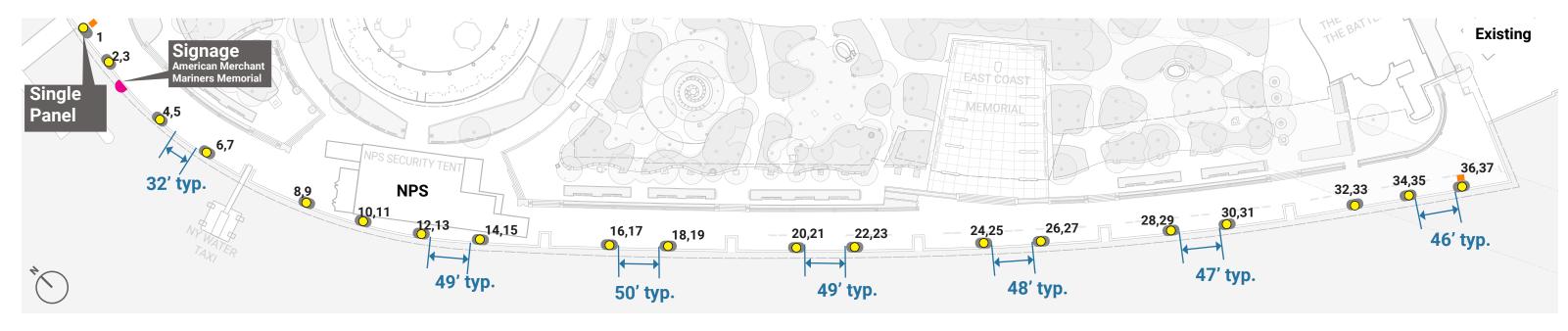


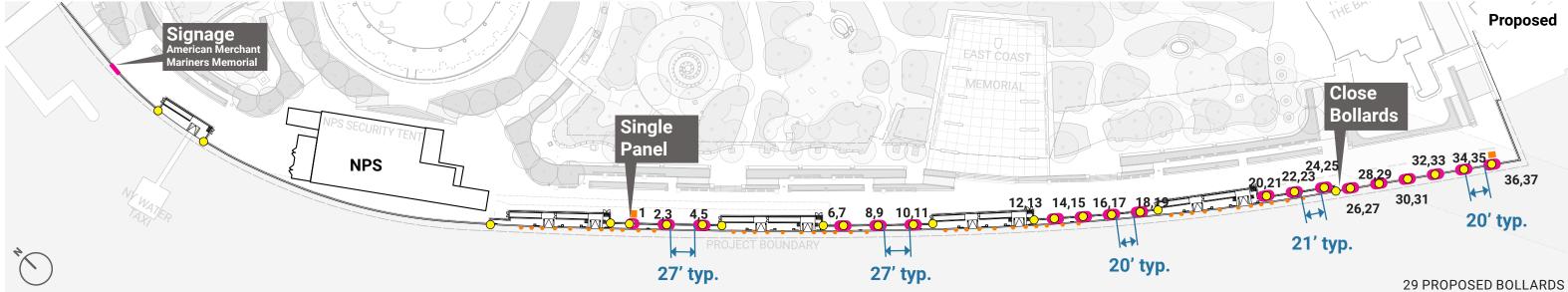






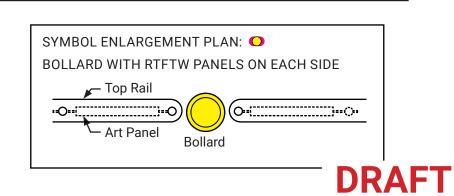
Art Panel Layout





LEGEND

- BOLLARDS
- O PROPOSED BOLLARD WITH RTFTW PANELS ON EACH SIDE
- EXISTING BOLLARD WITH RTFTW PANELS ON EACH SIDE
- EMBEDDED SIGNAGE IN THE PAVING
- PROPOSED FENDERS



COUNTS

19 EXISTING BOLLARDS
29 PROPOSED BOLLARDS
37 ART PANELS

EXISTING PANELS

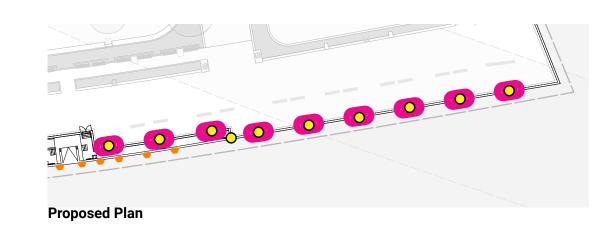




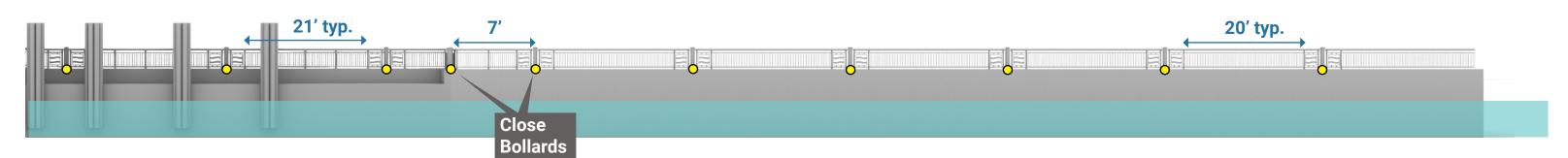




Art Panels at East End



Proposed



Slip 1 Maintenance Operation Deck

LEGEND

- BOLLARDS
- PROPOSED BOLLARD WITH RTFTW PANELS ON EACH SIDE

EXISTING PANELS



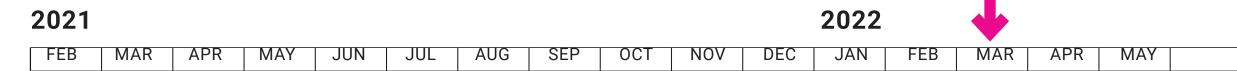






Project Timeline

PDC AMENDED PRELIMINARY SUBMISSION DATE



STAKEHOLDER
PUBLIC MEETING
3/24

OUTREACH ROUND III
YOUR FEEDBACK!

YOUR FEEDBACK!

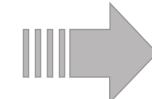
OUTREACH ROUND III
YOUR FEEDBACK!

DESIGN PHASE 1 CONCEPT DESIGN (30%)

DESIGN PHASE 2 SCHEM. DESIGN (50%)

DESIGN PHASE 3 FINAL DESIGN (75-100%)

CONSTRUCTION









Questions?